A STRUCTURED APPROACH TO DESIGNING DASHBOARDS

Tim Dibble, The Justice Management Institute
Hon. Craig Pfeifle, 7th Judicial Circuit, South Dakota
Bill Poppenga, Uniform Judicial System, South Dakota
Ian Jantz, Ph.D., Illinois Circuit Court of Cook County

12:45 pm, Thursday, October 18

SAFETY+JUSTICE CHALLENGE

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Agenda

- Introduction of Panelists and their Work (5 mins)
- Dashboard Typologies (15 mins)
- Building a Dashboard (45 mins)
- Questions (10 mins)

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7th Judicial Circuit Dashboard

1.0 Cases		
Active Pending Cases - adjudicating active felony cases is the core of what we do	1.1	Pending Inventory
	1.2	Age of Active Pending Cases
Disposed Cases - assessing our work on completed cases helps us manage our active cases	1.3	Clearance Rate - Filings & Dispositions
	1.4	Detail Filings & Dispositions
	1.5	Time to Disposition

7th Judicial Circuit Dashboard

Hon. Robert Gusinsky

Age of Active Pending Cases

1-Jul-2018

Track	Criminal Cases	Pending Start	0-30 Days	31-60 Days	61-90 Days	91-180 Days	181-240 Days	241+ Days	Percent Backlog
Track 1	Simple - Felony 5 and 6 - 90 days	**726**	363	218	109	36	-	-	**5%**
Track 2	Standard - Felony 3 and 4 - 180 days	**358**	107	89	72	54	18	18	**10%**
Track 3	Complex - Felony 1 and 2 and Homicide - 180 days	**273**	109	82	55	14	8	5	**5%**
Track 4	Post-Judgment/Reopened Cases - 180 days	**134**	47	40	34	7	4	3	**5%**
Track 5	Specialty dockets and programs - no time standard	**50**	10	10	10	10	10	-	**-**
	Total Cases	**1,541**	**637**	**439**	**279**	**120**	**40**	**26**	**NA**

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Judicial Dashboard Template

1.0 Cases

2.0 Pretrial Decisions

3.0 Hearings and Events

4.0 Sanctions

5.0 Outcomes and Causes

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Cook County Model Bond Court Dashboard

http://www.cookcountycourt.org/HOME/ModelBondCourtInitiative.aspx

Measure 1. Cook County Jail Population Trends – monthly avg + snapshot

Measure 2. Initial Bond Orders set for felony defendants with a Public Safety Assessment

Measure 3. Deposit bond amount needed to secure initial release from custody

Measure 3. Dollar amount needed to post for deposit bonds

Measure 4. Rate of pretrial release by initial bond order

Measure 5. Court Appearance Rate – defendants on pretrial release at all hearings

Measure 6. Community Safety Rate – defendants on pretrial release no new charges filed

Measure 7. Risk for New Violent Criminal Activity – elevated risk + new charges

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Cook County Model Bond Court Dashboard

CIRCUIT COURT OF COOK COUNTY MODEL BOND COURT DASHBOARD

***Performance Period* : April - June 2018**

This dashboard presents seven key performance measures being used to monitor implementation of the Model Bond Court initiative in the Circuit Court of Cook County.

MEASURE 1. COOK COUNTY JAIL POPULATION TRENDS

Measure 1A shows the Cook County Jail's monthly average daily population trends post-implementation of General Order 18.8A (Effective September 18, 2017) .

- **General Population - From October 2017 to June 2018, the General Population decreased 12.7%.**
- **Confined Population - From October 2017 to June 2018, the Confined Population also decreased 13.3%.**
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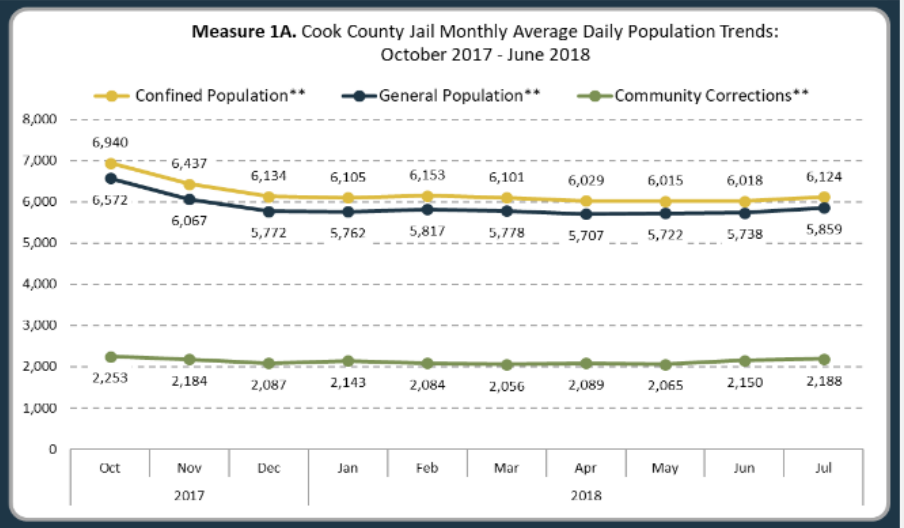
Reduction in Jail Population Pre-Implementation of General Order 18.8A

- **From July 2015 (implementation of the Public Safety Assessment in Central Bond Court) to October 2017 (first full month post-implementation of G.O. 18.8A) the monthly ADP of the general population decreased by 16% (from 7,822 to 6,572).**



^ Average Daily Population "ADP" calculations generated by the Office of the Chief Judge (OCJ) Information Services Department using "Sheriff's Daily Report" (October 2017 – June 2018). The daily reports are provided to the OCJ by the Cook County Sheriff's Office Bureau of Information and Technology Business Intelligence Unit. The Sheriff's Daily Report does not provide subcategory breakdown of the inmate population (e.g., pre-trial detainees, sentenced individuals, charged with felony or misdemeanor, etc.). The monthly ADP calculation totals the number of inmates on each day of the month being measured divided by the number of days in the month.

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DASHBOARD TYPOLOGIES

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Dashboard Definition

A **data dashboard** is an information management tool that visually tracks, analyzes and displays key performance indicators, metrics and data points to monitor and analyze the health of an organization and its performance.

Adapted from Klipfolio

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Types of Dashboards

- **Statistical** – counting stuff, data
- **Performance** – measuring outcomes
- **Decision-making** – merging data and performance

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Types of Dashboards

U.S. DEPARTMENT OF JUSTICE • FEDERAL BUREAU OF INVESTIGATION • CRIMINAL JUSTICE INFORMATION SERVICES DIVISION

2016 CRIME in the UNITED STATES

Criminal Justice Information Services Division

Feedback | Contact Us | Data Quality Guidelines | UCR Home

Home | Offenses Known to Law Enforcement | Violent Crime | Property Crime | Clearances | Persons Arrested | Police Employee Data

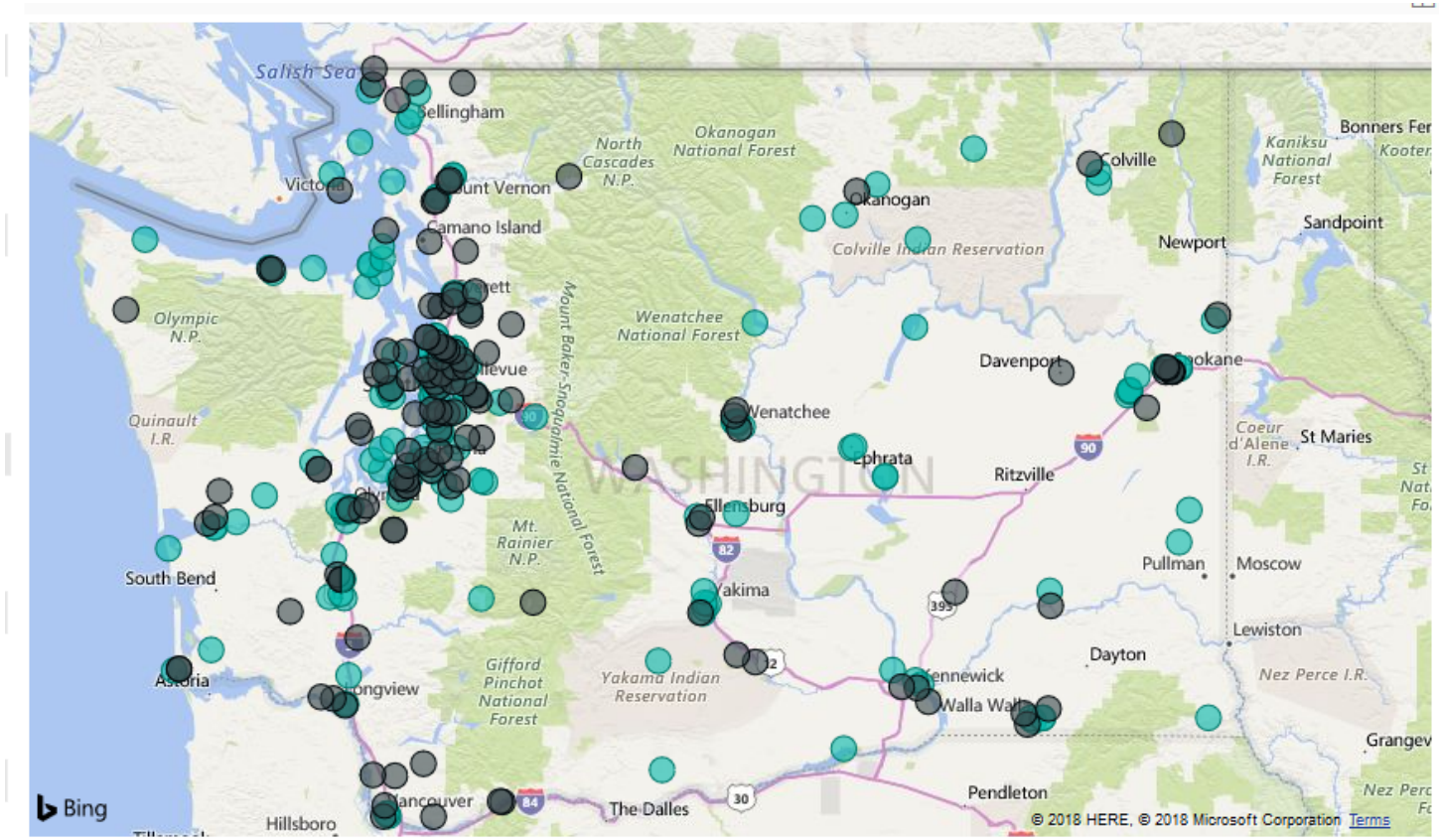
Table 8

ARKANSAS
Offenses Known to Law Enforcement
by Metropolitan and Nonmetropolitan Counties, 2016
[The data shown in this table do not reflect county totals but are the number of offenses reported by the sheriff's office or county police department.]

Data Declaration | Download Excel | Table 8 State Listing

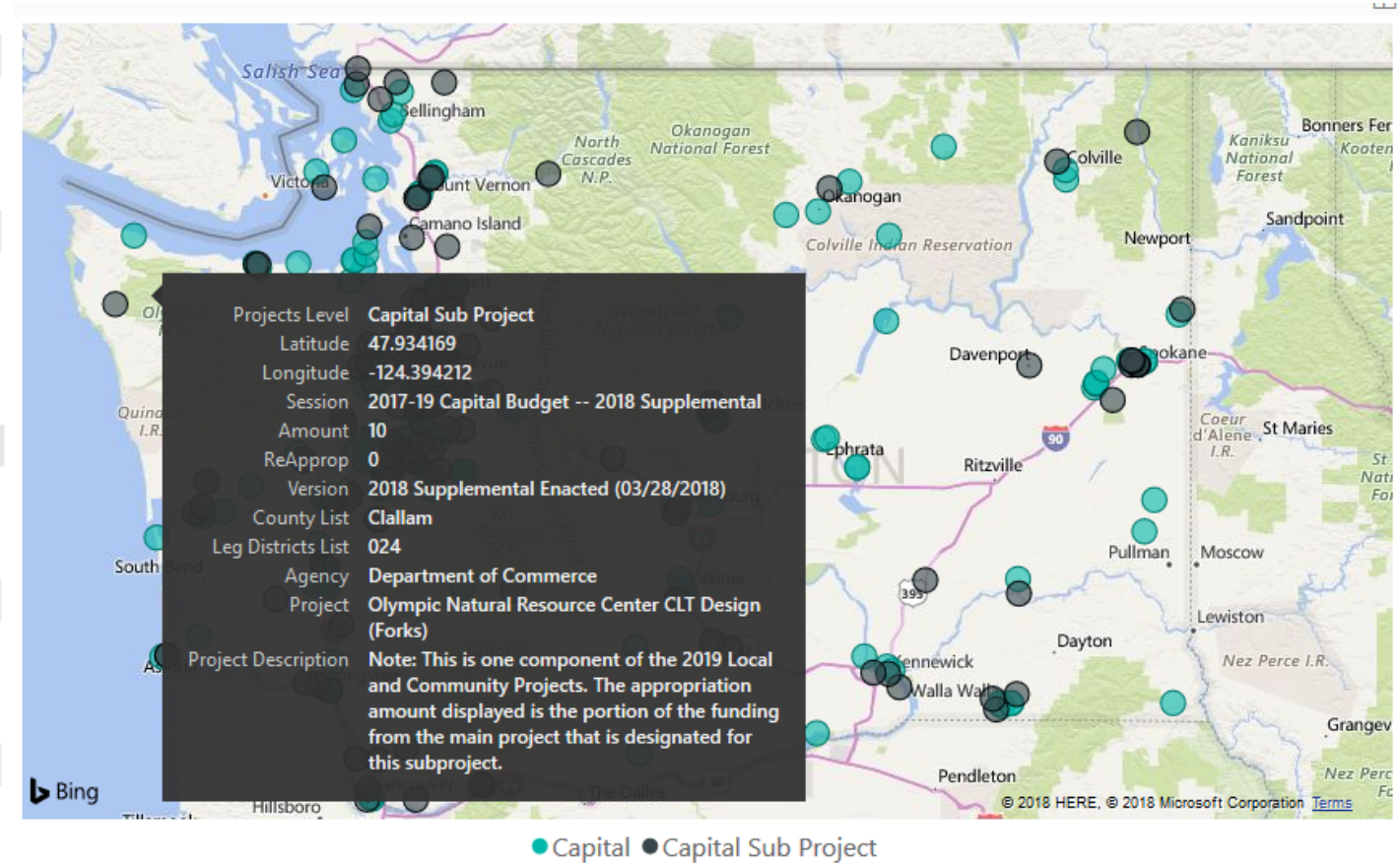
Metropolitan/Nonmetropolitan	County	Violent crime	Murder and nonnegligent manslaughter	Rape (revised definition)[1]	Rape (legacy definition)[2]	Robbery	Aggravated assault	Property crime	Burglary	Larceny-theft	Mot vehi the
Metropolitan Counties	Benton	95	2	26		2	65	663	328	300	35
	Cleveland	10	0	2		1	7	71	30	38	3

Types of Dashboards – Washington State Capital Budgets



● Capital ● Capital Sub Project

Types of Dashboards – Washington State Capital Budgets

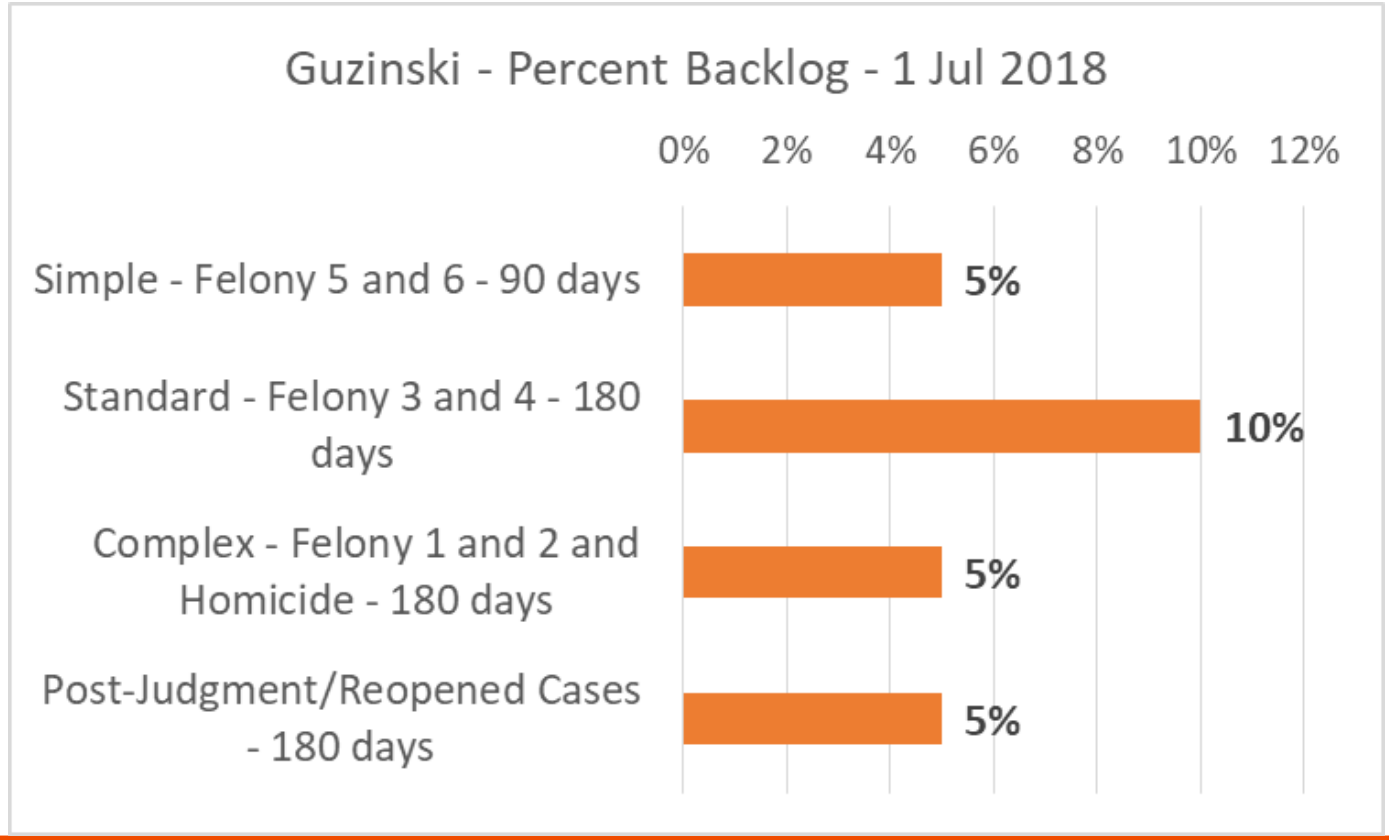


Types of Dashboards

Michigan Supreme Court Judiciary Dashboard

WHY IT MATTERS >>		
	2014	2015
Population With One or More Problem-Solving Courts	97%	98%
	Comparison Group	Graduates
Sobriety court 2-year, drug/alcohol conviction	11%	3%
Sobriety court 2-year, any new conviction	14%	4%
Sobriety court 4-year, drug/alcohol conviction	14%	8%

7th Judicial Circuit Dashboard



Cook County, Bond Court Dashboard

CIRCUIT COURT OF COOK COUNTY MODEL BOND COURT DASHBOARD

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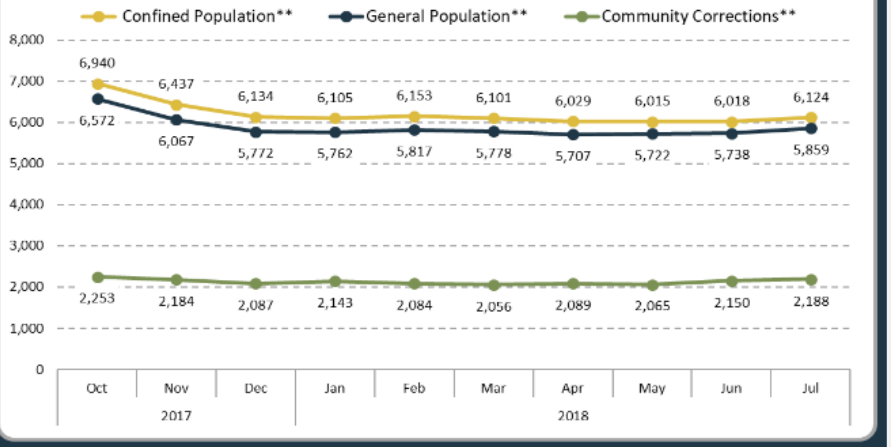
Measure 1A. Cook County Jail Monthly Average Daily Population Trends: October 2017 - June 2018



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BUILDING A DASHBOARD

1. Define goals and objectives – audience and buy-in
2. Build capacity – terminology, information, performance measures
3. Start small and simple
4. Making the dashboard an effective tool

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1. Define goals and objectives

- Map out larger system goals and objectives at a high level
- Define the audience
- Get buy-in from decision makers

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1. Define goals and objectives

Seventh Judicial Circuit

Unified Judicial System of South Dakota

Felony Cases

Differentiated Case Management Plan – Pennington County

March 8, 2017, v6

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1. Define goals and objectives

GENERAL ORDER NO. 18.8A
Procedures for Bail Hearings and Pretrial Release

This order is intended to ensure no defendant is held in custody prior to trial solely because the defendant cannot afford to post bail, to ensure fairness and the elimination of unjustifiable delay in the administration of justice, to facilitate the just determination of every criminal proceeding, and to preserve the public welfare and secure the fundamental human rights of individuals with interests in criminal court cases.

2. Build capacity

- Terminology
- Performance measures
- Information

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2. Build capacity – terminology 7th Circuit

Track	Case-types or highest charge types	Expected case duration and notes
Felony Track 1	Felony class 5 Felony class 6	These are mostly presumptive probation cases. These cases should be assigned a trial date which is 120 days following the defendant's first appearance in Circuit Court. Cases on this track have a dispositional goal of 60 days following the defendant's first appearance.
Felony Track 2	Felony class 3 Felony class 4	These cases should be assigned a trial date which is 150 days following the defendant's first appearance in Circuit Court. Cases on this track have a dispositional goal of 100 days following the defendant's first appearance.
Felony Track 3	Homicide Felony class 1 Felony class 2 Complex felony cases	Other felony class cases may be reassigned to Track 3. Before or at the first appearance in Circuit Court, cases will be assigned a trial date no more than 180 days in the future. Cases on this track have a dispositional goal of 125 days following the defendant's first appearance.

2. Build capacity – terminology and information

CSP
Court Statistics Project

State Court Guide to Statistical Reporting

Version 2.1.2

Updated March 20, 2017

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2. Build capacity – performance measures

Track	Case-types or highest charge types	Expected case duration and notes
Felony Track 1	Felony class 5 Felony class 6	120 days goal = 60 days
Felony Track 2	Felony class 3 Felony class 4	150 days goal = 100 days
Felony Track 3	Homicide Felony class 1 Felony class 2 Complex felony cases	180 days goal = 125 days

2. Build capacity – terminology and information

The **Confined Population** consists of the male and female divisional population, Hospital, VRIC, Pre-Release Treatment Programs, and Residential Treatment programs, as well as the off-site population confined in jails outside of Cook County.

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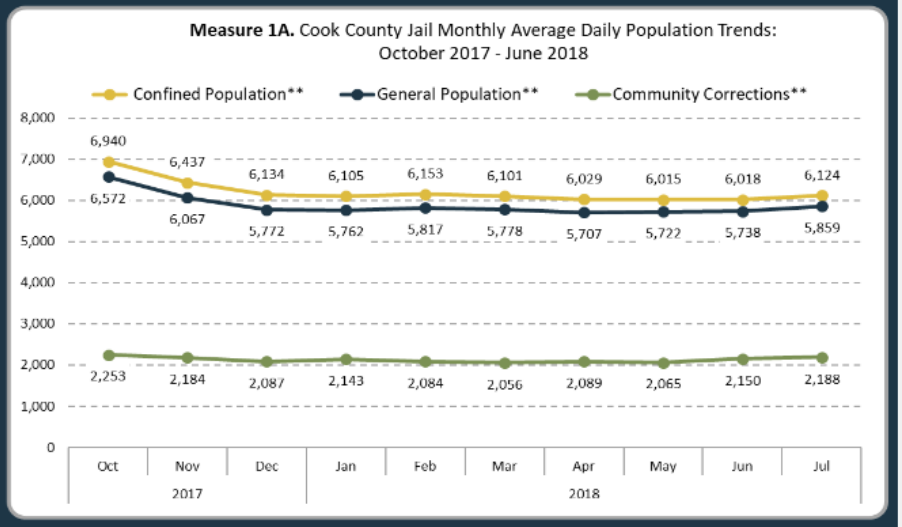

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2. Build capacity – performance measures

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2. Build capacity – performance measures

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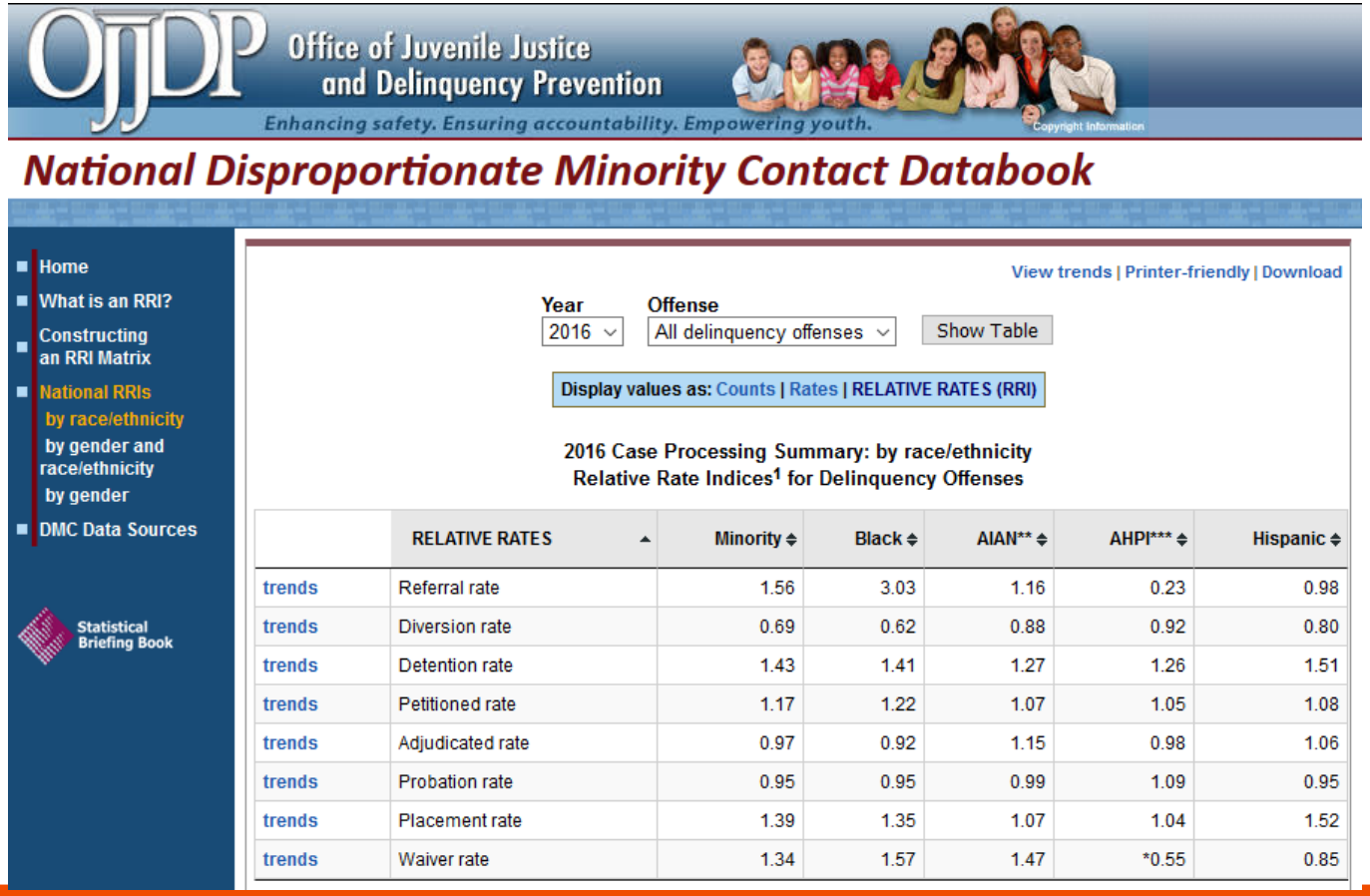

	RELATIVE RATES	Minority	Black	AIAN**	AHPI***	Hispanic
trends	Referral rate	1.56	3.03	1.16	0.23	0.98
trends	Diversion rate	0.69	0.62	0.88	0.92	0.80
trends	Detention rate	1.43	1.41	1.27	1.26	1.51
trends	Petitioned rate	1.17	1.22	1.07	1.05	1.08
trends	Adjudicated rate	0.97	0.92	1.15	0.98	1.06
trends	Probation rate	0.95	0.95	0.99	1.09	0.95
trends	Placement rate	1.39	1.35	1.07	1.04	1.52
trends	Waiver rate	1.34	1.57	1.47	*0.55	0.85

3. Start small and simple

- Small
- Simple

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3. Start small and simple

1. Cases
2. Pretrial decisions
3. Hearings and events
4. Sanctions
5. Outcomes and causes

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3. Start small and simple

1. Build simple graphs and data in Excel, before going to the developers.
2. Test your data using simple extracts.

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4. Making the dashboard an effective tool

- Accuracy and reliability – quality control
- Regular reporting
- Accountability – structural mechanisms

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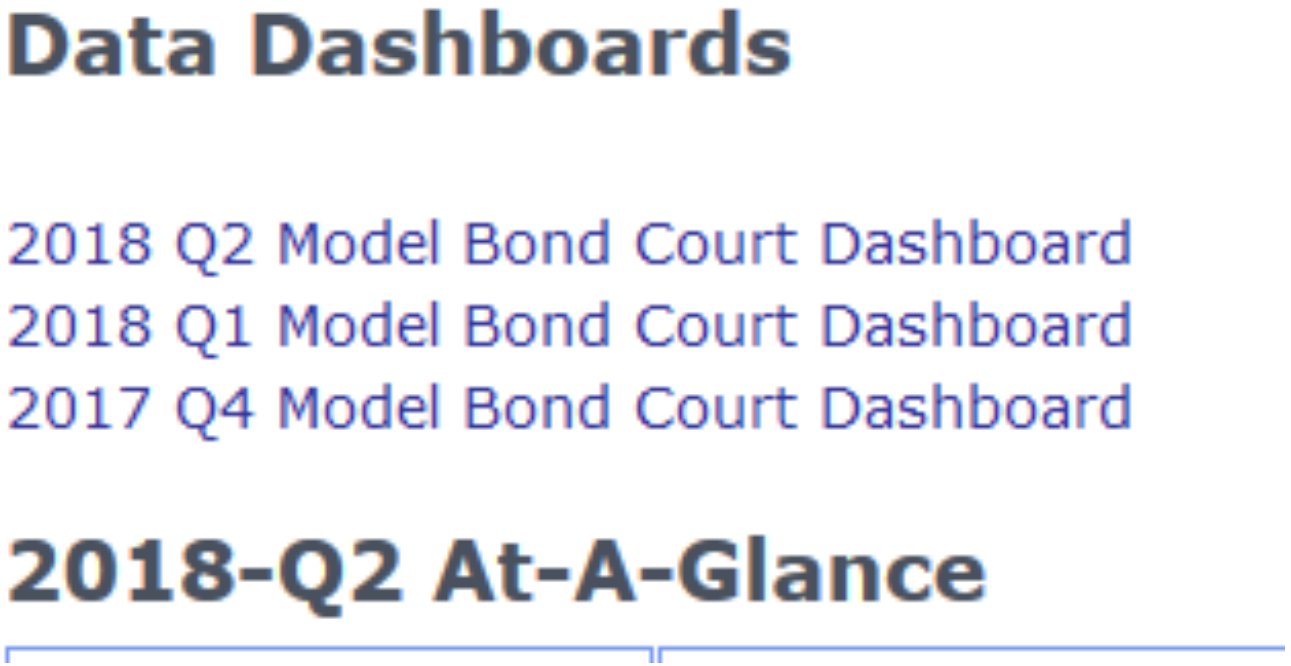
4. Making the dashboard an effective tool



4. Making the dashboard an effective tool

- Web-based – internal dashboard / public Internet
- PDF; downloadable Excel data; data tables; graphs; interactive….many solutions

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Questions?
Thank you!

SafetyAndJusticeChallenge.org